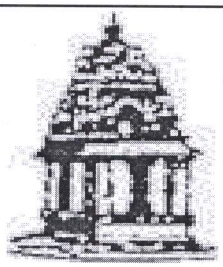


BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Construction of RO Plant in Ward No. 06 Byatarayanapura Sub Division**

Estimated Cost : **15.00 Lakhs**

Job Code: **006-20-000204**

BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

me of Work: Construction of RO Plant in Ward No. 06 Byatarayanapura Sub Division

						Est Cost Rs.	1500000.00	
Description of item	Unit	No	L	B	D	Qty	Rate	Amount
ROOM FOR RO PLANT								
KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / item no 2.3 page no 6 **of PWD SR 2018-19**	Cum							
Centre Line		1	13.84	1.00	1.00	13.84		
Columns		4	1.35	1.35	1.50	10.94		
						24.78		
						24.78	322.92	**8000.00**
Basic Rate	299.00							
Area Weightage @ 8%	23.92							
Total	**322.92**							
KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3 **of PWD SR 2018-19**	Cum							
Wall Portion		1	13.84	0.75	0.15	1.56		
		4	1.20	1.20	0.15	0.86		
For Flooring		1	4.17	2.65	0.15	1.66		
						4.08		
						4.08	5510.16	**22474.00**
Basic Rate	5102.00							
Area Weightage @ 8%	408.16							
Total	**5510.16**							
KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Pg No.25 Item No 5.6 **PWD SR 2018-19**	Cum							
Wall Portion		1	13.84	0.60	0.50	4.15		
Deduction for Columns		4	1.20	0.60	0.50	-1.44		
						2.71		
						2.71	4963.68	**13462.00**
Basic Rate	4596.00							
Area Weightage @ 8%	367.68							
Total	**4963.68**							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Pg No.25 Item No 5.9 **PWD SR 2018-19**	Cum							
Wall Portion		1	13.84	0.45	0.45	2.80		
Deduction for Columns		4	1.20	0.45	0.45	-0.97		
						1.83		
						1.83	5921.64	**10840.00**
Basic Rate	5483.00							
Area Weightage @ 8%	438.64							
Total	**5921.64**							
Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9, Pg No.7, Item No.2.10 **PWD SR 2018-19**	Cum							
		Qty Vide Item No. 1				**24.78**	217.08	**5378.00**
Basic Rate	201.00							
Area Weightage @ 8%	16.08							
Total	**217.08**							
KSRB 5-15 : Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications. KBS No.5.4, Pg No 27, Item No 5.28 **PWD SR 2018-19**	Sqm							
Wall Portion		2	4.27		3.00	25.62		
		2	2.65		3.00	15.90		
Parapet Wall		2	4.27		0.20	1.71		
		2	2.65		0.20	1.06		
Steps		2	4.00		0.15	1.20		
						45.49		
Deductions RS		1	3.00		2.10	6.30		
V		2	0.90		0.60	1.08		
Plinth		1	13.84		0.15	2.08		
Lintels		1	13.84		0.15	2.08		
						-11.53		
						33.96		
						33.96	875.88	**29741.00**
Basic Rate	811.00							
Area Weightage @ 8%	64.88							
Total	**875.88**							
Providing and laying **cement concrete** using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete **(RMC) M 20** for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, **for raft foundation column footing , main and secondary beams** with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.) **Page No. 18, Item No. 4.48, PWD SR 2018-19**	Cum							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
Column Footing		4	1.20	1.20	0.55	3.17		
		4	0.45	0.20	3.50	1.26		
Plinth Beam		1	13.84	0.20	0.30	0.83		
Lintel		1	13.84	0.20	0.15	0.42		
Roof Slab		1	5.17	3.95	0.15	3.06		
						8.74		
						8.74	5879.52	**51368.00**
Basic Rate	5444.00							
Area Weightage @ 8%	435.52							
Total	**5879.52**							
KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - **TMT bars Fe 500 Page No. 18 / Item No. 4.46.2, PWD SR 2018-19**	Tonne							
For Roof, Columns @ 80 Kg / Cum		0.080	8.74			0.70		
						0.70	76643.28	**53570.00**
Revised Basic Rate	70966.00							
Area Weightage @ 8%	5677.28							
Total	**76643.28**							
KSRB 4-6.4 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No. 16 / Item No. 4.31 PWD SR 2018-19**	Sqm							
Columns Footing		4	4.80		0.60	11.52		
		4	1.30		3.50	18.20		
Plinth		2	13.84		0.30	8.30		
Lintels		2	13.84		0.20	5.54		
Roof		1	4.17	2.65		11.05		
Roof Extension		2	5.57	0.45		5.01		
		2	3.05	0.45		2.75		
Sides		2	5.47		0.15	1.64		
		2	3.95		0.15	1.19		
						65.19		
						65.19	386.64	**25207.00**
Basic Rate	358.00							
Area Weightage @ 8%	28.64							
Total	**386.64**							
KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to **ceiling** including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 116, Item No. 15.21 of PWD SR 2018-19**	Sqm							
		1	4.17	2.65		11.05		
		2	5.57	0.45		5.01		
		2	3.05	0.45		2.75		
						18.81		
						18.81	253.80	**4774.00**
Basic Rate	235.00							
Area Weightage @ 8%	18.80							
Total	**253.80**							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	KSRB15-3.12 :Providing 20mm thick cement plaster in single coat with cement mortar 1:6, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114, Item No. 15.20 of PWD SR 2018-19 (Inside Plastering)**	Sqm							
	Inside wall		2	4.17		3.00	25.02		
			2	2.65		3.00	15.90		
							40.92		
	Deductions - For door Doors		0.5x1	3.00		2.10	3.15		
	Door 1		0.5x2	0.90		0.60	0.54		
							-3.69		
							37.23		
							37.23	274.32	**10213.00**
	Basic Rate	254.00							
	Area Weightage @ 8%	20.32							
	Total	**274.32**							
2	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. **Page No. 117, Item No. 15.33, PWD SR 2018-19**	Sqm							
			Qty Vide Item No. 39+40				**56.04**	34.56	**1937.00**
	Basic Rate	32.00							
	Area Weightage @ 8%	2.56							
	Total	**34.56**							
1	KSRB15-3.9 :Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 116 / Item No. 15.17, PWD SR 2018-19 (Outside Wall)**	Sqm							
	Out Side		2	4.57		3.00	27.42		
			2	3.05		3.00	18.30		
							45.72		
	Deductions for Door		0.5x1	3.00		2.10	3.15		
	V		0.5x2	0.90		0.60	0.54		
							-3.69		
							42.03		
							42.03	264.60	**11121.00**
	Basic Rate	245.00							
	Area Weightage @ 8%	19.60							
	Total	**264.60**							
	KSRB 15-14.1 : Providing and **applying two coats with oil bound washable distemper** of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. **Page No. 119 / Item No. 15.49.1, PWD SR 2018-19**	Sqm							
			Qty Vide Item No.39+40				93.27		
							93.27	118.80	**11080.00**
	Basic Rate	110.00							
	Area Weightage @ 8%	8.80							
	Total	**118.80**							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. **Page No. 120 / Item No. 15.53.2, SR 2018-19**	Sqm							
		Qty Vide Item No.42				42.03		
						42.03	50.76	**2133.00**
Basic Rate	47.00							
Area Weightage @ 8%	3.76							
Total	**50.76**							
KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. **(Page No. 123 Item No. 15.74 of SR 2018-19).**	Sqm							
Out Side	2.25	1	6.00		2.10	28.35		
		2	0.90		0.60	1.08		
						29.43		
						29.43	102.60	**3020.00**
Basic Rate	95.00							
Area Weightage @ 8%	7.60							
Total	**102.60**							
Providing and fixing Special make glazed Vitrified tiles (Granomite finish) of approved make, quality and colour of size 600x600x10mm thick fixed on existing flooring with a special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. **(P.No. 109, I.No. 14.43 of SR 2018-19).**	Sqm							
		1	4.17	2.65		11.05		
		2	4.17		0.10	0.83		
		2	2.65		0.10	0.53		
						12.41		
						12.41	1186.92	**14735.00**
Basic Rate	1099.00							
Area Weightage @ 8%	87.92							
Total	**1186.92**							
Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. **P.No. 112, I.No. 14.62 of PWD SR 2018-19**	Sqm							
		2	4.00		0.60	**4.80**		
						4.80	1330.56	**6387.00**
Basic Rate	1232.00							
Area Weightage @ 8%	98.56							
Total	**1330.56**							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
SRB 7.7 : Providing and fixing in position in ement concrete 1:3:6 **steel glazed windows** nd **ventilators** side hung/top hung fully penable as per approved drawings using Z ngles of 25x33x3mm, weighing 1.419 Kg/m both r outer and inner frames and central mullion ction of size 25x46x3mm. weighing 2.28Kg/m ly providing T section 19x19x3mm weighing 839 kg/m for glazing of windows not more than cms. c to c including providing and fixing mm. thick reeded glass with teakwood beading required size, all steel sections should confirm I.S 7452:1990, 4nos. of holdfasts of approved ze, section should be cut to length welded and ectrically grinded subdividing frames of unit all be tenonned and revetted into the frames ectrically. All the steel surface shall be roughly cleaned free of rust and painted with e coat of anti-corosive paint and finishing with o coats of ready mix paint of approved colour nd make including cost of materials, fixtures, bour and HOM of machinery complete asrews, wl plugs and teak wood gutties to	Sqm							
		2	0.90		0.60	**1.08**		
						1.08	4209.84	**4547.00**
Basic Rate	3898.00							
Area Weightage @ 8%	311.84							
Total	**4209.84**							
SRB 7.5 : Providing and fixing **pull and push pe rolling shutters** of approved make out of 18 uage, 75mm wide cold rolled steel laths of nvex corrugation, with side guides and bottom il, with interlocking arrangements for steel laths means of alternate clips, suspension shaft ith High tension coil type springs two numbers, ounted on specially designed pipe shaft, with racket plates, guide channels, ball bearing rrangements, for inside & outside locking with ush & pull operations complete including pulling ooks, 4Nos. handles with all fittings and ccessories, painted with a coat of red lead paint without top cover) cost of materials, labour, HOM f machinery complete as per specifications. **hutter size 3mx2.8 m**. Specification No. KBS .10 / 7.12. (**P.No. 33, I.No. 7.5 of CSR 2018-19**)	Sqm							
		1	3.00		2.10	**6.30**		
						6.30	2815.56	**17738.00**
Basic Rate	2607.00							
Area Weightage @ 8%	208.56							
Total	**2815.56**							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
SRB 7.15 : Providing, fabricating, assembling d fixing in **position aluminium partitions ing aluminium sections** of mat finish or ass finish in combination of plain grove, single ove and double grove as per requirements for e frames of overall size 63.5mm x 38.1mm. with ckness of 2mm. having section weight, plain ctions 1.054kg/m, single grove thickness 5mm. section weight 1.094kg/m, double grove ckness 1.9mm section weight 1.094kg/m and ttom member 114.3 mm. x 44.45mm. thickness 8mm. weight 2.646 kg/m; aluminium louvres ction of size 36.5mmx34.93mm 1.45mm. thick ction weight 0.429kg/m; bottom portions ovided with 12mm. thick prelaminated sheet th sides of approved colour lamination exterior de upto 0.9m height, spacing of vertical mber not exceeding 0.6 m. c to c; sections are t to the required lengths, joints mitered and rners grinded subdividing frames tennoned and etted to the frames; the assembled frame ffened with corner angles, stripped and fixed th screws, rawl plugs and teak wood gutties to C.C.columns on sides, R.C.C. lintels or beams top and floor at bottom, including cutting istelling and making good with cement mortar match the surface; providing and fixing 5.5mm.	Sqm							
		1	3.00		2.10	**6.30**		
						6.30	3633.12	**22889.00**
Basic Rate	3364.00							
Area Weightage @ 8%	269.12							
Total	**3633.12**							
arthwork excavation for foundation of buildings, ater supply, sanitary lines and electrical nduits either in pits or in trenches 1.5m and ove in width, in Ordinary soil not exceeding 1.5 in depth including dressing the bottom and ides of pits and trenches, stacking the xcavated soil clear from edges of excavation ith lead upto 50m after breaking of clods omplete as per specifications (P.NO - 6, I.NO - .3, PWD SR 18-19)	Cum							
		1	30.00	0.45	0.60	8.10		
						8.10	322.92	**2616.00**
Basic Rate	299.00							
Area Weightage @ 8%	23.92							
Total	**322.92**							
Providing and installing at site of work 63mm 0.662) PVC Pipes of 6 kg / cm2 including cost of ipes and specials and labour, including lowering nto trenches, laying true to line, level and perfect inking at joints leak proof including jointing of pproved type with all labour and lift charges, handling charges including encasing the pipe around to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete (P.NO - 94, I.NO - 13.73.2, PWD SR 18-19)	Mtr							
75 mm dia 6 KSC PVC pipe		1	30.00			30.00		
						30.00	401.76	**12053.00**
Basic Rate	372.00							
Area Weightage @ 8%	29.76							
Total	**401.76**							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
efilling available earth around pipe lines, cables layers not exceeding 20cms in depth, ompacting each deposited layer by ramming fter watering with lead upto 50m and lift upto 5m including cost of all labour complete as per pecifications (P.NO - 7, I.NO - 2.11, PWD SR 18-9)	Cum							
		Qty. Vide Item No. 25-27				**8.10**	130.68	**1059.00**
Basic Rate	121.00							
Area Weightage @ 8%	9.68							
Total	**130.68**							
10000 LPD R.O. Plant								
AW WATER PUMP:								
uantity : 1No.								
ype: Centrifugal Mono Block								
OC & Make : UKL								
otor Rating : 0.75 HP								
RESSURE SAND FILTER:								
uantity : 1No.								
apacity : 1000 LPH								
OC & Make of Housing : UKL								
OC & Make of Cartridge : UKL								
apcity : 100 LPH								
OC & Make of Vessel : UKL								
iameter : 40 mm								
ype of Valve : Single Multiport								
edia : Support bed + Sand								
ICRON CARTRIDGE FILTER :								
uantity : 1 Set.								
ilter Rating : 5 Microns								
ize : 20 " Long								
NTISCALANT DOSING PUMPS:								
uanity : 1 Set								
ype : Electro - magnetic								
apacity : 1.5 LPH @ 4 Bar								
IGH PRESSURE PUMP:								
uantity : 1 No								
apacity : 1700 LPH								
ype of Pump : Vertical Multistage Centrigugal Pump								
OC : SS 304								
otor Rating : 2 HP, 3 Phase								
aximum Pressure : 12 Kg/ cm2								
ake : UKL								
RESERVE OSMOSIS SYSTEM :								
Quantity : 1 No								
Capacity : 1000 LPH								
Module Type								
Membrane Specifications {Polyamde}								
Make of Membrane : UKL								
UV STERILISER								
Max. Treatment Flow : 1 m3/hr								
No. of Lamps : 1 No								
Wattage : 39 W								
Efficiency : 99.99%								
Material of Construction : SS 304								
PRODUCT WATER QUALITY:								
Appearance : Crystal Clear								
Abide by the ISO Standards								
S S Tank : 304 Grade with 16 guage 2000 liters Capacity								
304 Grade 10 Gauage SS Pipe {with stream valve} 25 Ft								
COIN BOOTH DISPENSING UNIT								
for 5 Liters & 20 Ltrs Separately								

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
Water Stoage Tank : Dunction - for Storage aw Water								
/ MOC : Two / Three Layered PE tanks Transparent in color made from virgin erial of food grade Quality suitabke fir the ose of providing								
age Drinking / Portable Water : 5000 Liters acity	Nos							
		1				1	946000.00	**946000.00**
roved DATA Rate	946000.00							
ELECTRIFCATION								
plying and wiring adopting loop system in sting PVC Conduit / casing capping using 0V grade, COPPER conductor flexible tistrand FRLS PVC insulated, 2 X1.5Sq.mm ble confirming to the GTP, with a 6Amps flush e SP control switch shall be fixed on the sting plastic sheet / gang box, the other end of wires shall be terminated with sufficient loose gth in a wood/PVC round block. complete for ch outlet. GROUP A b) Medium point above tr upto 6Mtr from tapping point to out let via tch **(Page No. 05, Item No.2.1 KPWD SR 14-15**	Point							
		1x6				6	245.00	**1470.00**
Long point above 6Mtr upto 10Mtr from tapping nt to out let via switch	Point	1x6				6	363.00	**2178.00**
pplying and flush mounting teak wooden box thout front plank, made of not less than 12mm ck wood, after due groove cutting, Finishing h necessary cement plastering complete 6.5) 4"x4"x3" (101x101x76mm) **(Page No. 03, m No. 1.6) KPWD SR 2014-15**	Each							
		1x30				30	68.00	**2040.00**
6.1) 12"x12"x3" (300x300x76mm)	Each	1x18				18	116.00	**2088.00**
6.3)10"x7"x3" (254x178x76mm)	Each	1x15				15	87.00	**1305.00**
upplying 4mm thick plastic sheet with necessary tches for fixing switches, regulators etc., and ing on existing wooden or metal box using N.F. crews. **(Page No. 17, Item No. 3.9) KPWD SR 014-15**	SqCM							
						33333	0.25	**8333.00**
xtra for Groove cutting in brick wall/CC floor to e suitable depth for concealing of Conduit/GI pe and plastering, finishing upto wall surface mplete. upto 50mm conduit in brick wall **(Page o. 03, Item No.1.7.1) KPWD SR 2014-15**	Mtr							
		1	20.00			20	21.00	**420.00**
Supplying heavy gauge PVC Conduit Pipe 19/20 mm dia 2 mm thick with suitable size bends, metal junction boxes adhesive paste etc., by groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the wall surface and run with 18 SWG GI fish wire run throughout the conduit wherever necessary. **(Page No. 02, Item No. 1.3.1) KPWD SR 2014-15**	Mtr							
		1	20.00			20	56.00	**1120.00**
Supplying and fixing PBBC/Bakelite straight or slant batten holder and wiring with 60w/230 volts amps. **(Page No. 20, Item No. 4.2) KPWD SR 2014-15**	Each							
		1x4				4	88.00	**352.00**

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
pplying patti type fluorescent tube light fitting 2' - suitable for 14 watts fluorescent tube ing, made out of M.S. Sheet and stove amelled with HF Electronic Ballast , locking pe brass contact holders mounted on double d type sheet base fully wired for use on 230 lts AC . Supply including T5 lamp. **(Page No. , Item No. 4.5) KPWD SR 2014-15**	Each							
		1x4				4	591.00	**2364.00**
iring for lighting/power circuit using one of LS PVC insulated 1100V grade, multistrand pper with low conductor resistance single core e in open or concealed system of wiring with ecified IS-694:1990 & confirming to GTP of ROUP -A 1.5 sqmm **(Page No. 06, Item No. .2) KPWD SR 2014-15**	Mtr							
		1	15.00			15	18.60	**279.00**
pplying and fixing cast Aluminum round or long type bulk head fitting with GI wire guard, ss cover with 60/100 watts 230V GLS lamp. **age No. 20, Item No. 4.3) KPWD SR 2014-15**	Each							
		1x8				8	747.00	**5976.00**
pplying, fixing, wiring, earth electrode for ounding conduits, I.C. cutouts and other uipment's on the meter board using 40mm dia 0mm thick GI pipe 2.5 mtr long buried in a pit The pit should be filled with equal proportion of t and charcoal 150mm all-round the pipe to mplete depth. The connection from the pipe to e conduit etc., is to be established through GI re of size as per ISI specification 7.3.3. of IS 2 using 12mm dia bolts, nuts, washers and eck nuts etc., the pipe shall have 16 through les of 122 mm dia **(Page No. 55, Item No. 7.1) PWD SR 2014-15**	No							
		1				1	2727.00	**2727.00**
upplying of 1.1 KV LT UG cable having uminum conductor PVC insulated, extruded ner sheathed, galvanized, steel strip (except CX10Sq.mm wire armoured) confirming to IS-975:1990 (No. of Strip indicated in GTP) & xtruded PVC outer sheathed armoured cable ith specified IS-1554 Part-1:1988 & confirming GTP of GROUP-A **P No. 55/ I No. 7.4.4 4 core 6 Sqmm KPWD Electrical SR 2014-15**	Mtr							
		1	25.00			25.00	140.40	**3510.00**
abour charges for laying of 1.1 KV class UG able in existing trench GI pipe / stoneware pipe / n wall / on pole as required.In existing nch/duct. **P No. 61 / I No. 7.8.1 6Sqmm to 16 qmm) KPWD Electrical SR 2014-15**	Mtr							
		1	25.00			25.00	10.80	**270.00**
igging of trench of 0.6m deep x 0.50 mtr wide efilling the trench to the required ground level nd consolidating etc., complete For Cutting oad Surface .(As per Civil SR KSRB I-2, P-7) **P o. 61 / I. No. 7.9.3 KPWD Electrical SR 2014-5**	Mtr							
		1	20.00			20.00	85.00	**1700.00**

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
upplying and fixing of class A (medium duty) GI pe of wall thickness not less than 3.25mm on ole/wall/drain crossing with necessary clamping rrangements for UG cable of 1.1 KV 40mm dia I pipe **P. No. 62 / I No. 7.12.1 KPWD lectrical SR 2014-15**	Mtr							
		1	4.00			**4.00**	345.00	**1380.00**
upplying and fixing L.T. cast Iron pot heads uitable for 1.1 KV class UG cable filled with ecessary bitumen/insulating compound mplete with terminals, clamps, bolts, nuts and ashers 16Sqmm etc., **P. No. 62 / I.No. 7.13.2 PWD Electrical SR 2014-15**	No.							
		1				**1.00**	280.00	**280.00**
Sub Total								**1330134.00**
GST @ 12%								**159616.00**
RO Plan BESCOM Deposit		1	10000.00					**10000.00**
Miscellaneous and Unforeseen Charges	L/S							**250.00**
							Total	**1500000.00**

IFICATE:

he work spot has been inspected and the work is found necessary.
his estimate is prepared as per C.S.R. of PWD 2018-19, PWD Elecrical 2014-15, & approved Rate.
he provisions were made in this estimate are necessary and adequate.
his works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 06

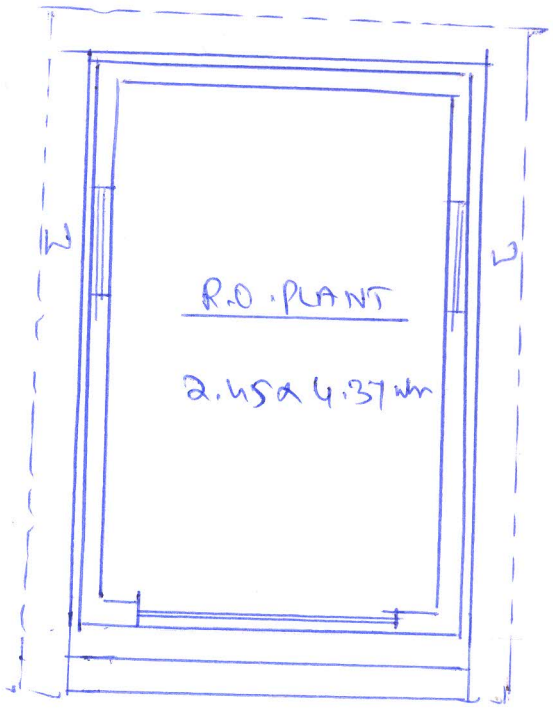
Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
9/11/20

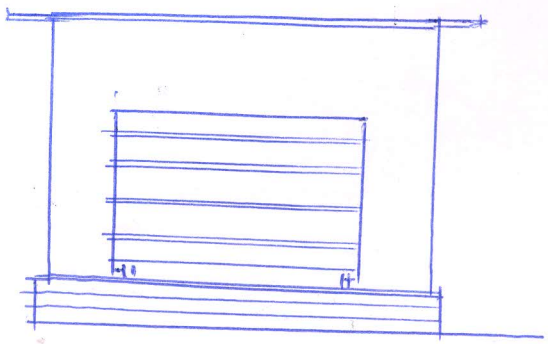
Administrative Sanction
Accorded For Rs 15.00 Lakhs only
Head of A/C P3445
CER NO : 17 Dt: 9/11/2020
JA CE (NK)

TECHNICAL SANCTION
Accorded For Rs. 15.00 Lakhs only
Head of A/c. P3445
Div. Ref. No. 76 Date 9/11/2020
AE 9/11
EE(BTP) 9/11

Name of work: Construction of R.O. Plant in Ward No.06, Byatarayanpura Sub-Div



PLAN



ELEVATION

ಸಹಾಯಕ ಅಧಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-26